

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 0    | (pixel with value with detect\$5 with limit with map\$4 with cumulative with distribution with function).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/14 10:18 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 4    | ((("5294986") or ("5434931")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/11/14 10:19 |
| L2    | 14   | ((("5289282") or ("5315389") or ("5502776") or ("5949918") or ("6259472") or ("6463173") or ("5294986")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/11/14 10:19 |
| L3    | 14   | ("4695884").PN. OR ("5294986").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/11/14 10:19 |
| L4    | 3417 | 382/168,168,170,274,254.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/11/14 10:19 |
| L5    | 1301 | 382/168,169,170.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/11/14 10:19 |
| L6    | 1381 | 382/275.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/14 10:19 |
| L7    | 1383 | 382/274.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/14 10:19 |
| L8    | 2198 | (382/168,168,170,274,254.ccls.) and @ad<="20021107"  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/11/14 10:19 |
| L9    | 950  | (382/274.ccls.) and @ad<="20021107"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/14 10:19 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| L10 | 27     | L7 and ((cumulative adj distribution adj function) or cdf)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L11 | 3853   | contrast with compensation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L12 | 160    | L11 and histogram  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L13 | 25     | ("20010016064"   "20010021269"<br>  "20010028733"   "20010028734"<br>  "20010028737"   "20010036314"<br>  "20020001405"   "20020025079"<br>  "20020037096"   "20020150306"<br>  "20020171852"   "20030002724"<br>  "20030012437"   "20040086168"<br>  "20040091169"   "20040096121"<br>  "20040189818"   "20050145791"<br>  "5436448"   "5600734"  <br>"5825912"   "5872862"  <br>"6476388"   "6738527").PN. OR<br>("6995370").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L14 | 1      | ("2004/0091169").URPN.   | USPAT  | OR | ON  | 2007/11/14 10:19 |
| L15 | 2      | ("6504954").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/11/14 10:19 |
| L16 | 47607  | histogram  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L17 | 177068 | (upper and lower) and threshold  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| L18 | 226639 | mapping  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L19 | 31490  | cumulative and contrast  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L20 | 870    | L16 and L17 and L19  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L21 | 6      | ("5434931") or ("6504954") or ("5294986").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/11/14 10:19 |
| L22 | 6      | ("4852002"   "5982926"   "6078686"   "6493468"   "6738161"   "6757442").PN. OR ("7127123").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L23 | 11     | ("20020131095"   "20030128893"   "20030202589"   "20040008267"   "20040069930"   "5828793"   "6334023"   "6593970").PN. OR ("6879731").URPN.                     | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L24 | 11     | ("20030020974"   "5278641"   "5289282"   "5754709"   "6101271"   "6101273"   "6694052"   "6753910"   "6771815"   "6809761"   "6873729").PN. OR ("7167597").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L25 | 22691  | LUT  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |

## EAST Search History

|     |         |  |  |    |     |                  |
|-----|---------|--|--|----|-----|------------------|
| L34 | 1737    | multiplier and shifter and subtractor and adder  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L35 | 3290994 | detect or detection or detector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L36 | 1261    | L34 and L35  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L37 | 2       | ep-801360\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L38 | 8       | ((("5982926") or ("5949918") or ("20020136464") or ("6504954"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/11/14 10:19 |
| L39 | 0       | ("2002/0136464").URPN.   | USPAT  | OR | ON  | 2007/11/14 10:19 |
| L40 | 14      | ("4353092"   "4573035"   "5063607"   "5339368"   "5490222"   "5982926"   "6061091"   "6236751").PN. OR ("6504954").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L41 | 33      | ("4905287"   "5063607"   "5075896"   "5261009"   "5321773"   "5450502"   "5452018"   "5487020"   "5504821"   "5544258").PN. OR ("5982926").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |
| L42 | 26      | ("4731671"   "4755954"   "5042077"   "5296941"   "5481620"   "5544258"   "5680230").PN. OR ("5949918").URPN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2007/11/14 10:19 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| L26 | 2      | ("5414538").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/11/14 10:19 |
| L27 | 6      | ((("6504954") or ("20020136464")<br>or ("5434931"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/11/14 10:19 |
| L28 | 54651  | (grayscale or gray-scale or (gray<br>adj scale) or greyscale or<br>grey-scale or (grey adj scale)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L29 | 111365 | (R adj G adj B) or (red adj green<br>adj blue)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L30 | 17969  | luminance near3 chrominance  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L31 | 1767   | L28 with L29   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L32 | 72     | L28 with L30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |
| L33 | 27     | dividing with (cdf or (cumulative<br>adj (density or distribution) adj<br>function))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/14 10:19 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| L43 | 2    | ("20040091169").PN.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/14 10:19 |
| L44 | 6    | ((("20020136464") or ("5294986")<br>or ("5434931"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/14 10:19 |
| L45 | 0    | L44 and chrominance                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/14 10:19 |
| L46 | 1605 | (382/274,169).CCLS.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/14 10:19 |